

WHAT IS CLAIMED IS:

~~1. A network facsimile device for communicating in at least one of a plurality of communication modes for transmitting designated image information to a designated destination, said device comprising:~~

~~input means for inputting information identifying a plurality of addresses and for designating one address among said plurality addresses; and~~

~~address information registering means for registering a plurality of address information respectively corresponding to said plurality of communication modes, for each designated destination.~~

~~2. The network facsimile device as defined in claim 1, further comprising display means, wherein, when said input means is repeatedly operated at the time of designating the address, a plurality of address information registered are changed over and viewed on said display means in order.~~

~~3. The network facsimile device as defined in claim 1, wherein each of the plurality of address information registered by said address information registering means can be set with a transmission priority order indicating an order in which communication modes are to be used for transmitting the designated image information to the designated destination.~~

4. The network facsimile device as defined in claim 3,

wherein, when same key is repeatedly operated at the time of selecting the address, plural address information registered on said key are changed over and selected in accordance with said transmission priority order.

5. The network facsimile device as defined in claim 1,

wherein said input means comprises one-touch dial means for enabling a large number of addresses to be registered and for designating the one address by operating the one touch dial means.

6. The network facsimile device as defined in claim 2,

wherein said input means comprises one-touch dial means for enabling a large number of addresses to be registered and to designating the one address by operating the one-touch dial means.

7. The network facsimile device as defined in claim 3,

wherein said input means comprises one-touch dial means for enabling a large number of addresses to be registered and for designating the one address by operating the one-touch dial means.

8. The network facsimile device as defined in claim 4,

wherein said input means comprises one-touch dial means for enabling a large number of

of image information through a public network,

wherein either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means, and said public network image information communicating means communicate information to a plurality of designated destinations address; and

input means for inputting information identifying a plurality of addresses and for designating one address among said plurality of addresses; and

address information registering means for registering a plurality of address information respectively corresponding to said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means, and said public network image information communicating means, for each designated destination.

11. The network facsimile device as defined in claim 10,

wherein said plurality of registered address information include an e-mail address for use by said electronic-mail type Internet image information communicating means, an IP address for use by said real-time type Internet image information communicating means, and a telephone number for use by said public network image information communicating means.

12. The network facsimile device as defined in claim 9,

further comprising display means, wherein, when said input means is repeatedly operated at the time of designating the address, said plurality of registered addresses are displayed, in order.

~~13. The network facsimile device as defined in claim 10,~~

further comprising display means, wherein, when said input means is repeatedly operated at the time of designating the address, said plurality of registered addresses are displayed in order.

14. The network facsimile device as defined in claim 11,

further comprising display means, wherein, when said input means is repeatedly operated at the time of designating the address, said plurality of registered addresses are displayed in order.

15. The network facsimile device as defined in claim 9,

wherein each of the plurality of address information registered by said address information registering means can be set with a transmission priority order indicating an order in which communication modes are to be used for transmitting the designated image information to the designated destination.

16. The network facsimile device as defined in claim 10,

wherein each of the plurality of address information registered by said address information registering means can set the transmission priority order indicating an order in which communication modes are to be used for transmitting the designated image information to the designated destination.

17. The network facsimile device as defined in claim 11,

wherein each of the plurality of address information registered by said address information

registering means can set the transmission priority order in which communication modes are to be used for transmitting the designated image information to the designated destination.

18. The network facsimile device as defined in claim 9,
further comprising display means, wherein, said input means is repeatedly operated at the time of designating the address, said plurality of registered addresses are displayed in order.

19. The network facsimile device as defined in claim 10,
further comprising display means, wherein, said input means is repeatedly operated at the time of designating the address, said plurality of registered addressed are displayed in order.

20. The network facsimile device as defined in claim 11,
wherein, same key is repeatedly operated at the time of selecting the address, said dialing means changes over and selects, in order, said plural addresses information registered in said key.

21. The network facsimile device as defined in either one of claims 9 through 20,
wherein said input means comprises one-touch dialing means enabling a large number of addresses to be registered and allowing a particular address to be designated by performing an operation using one key.

22. A network facsimile device comprising:
electronic-mail type Internet image information communicating means for performing

communication of image information through the Internet by use of electronic mail;

real-time type Internet image information communicating means for performing communication of image information through said Internet in real time; and

public network image information communicating means for performing communication of image information through the public network,

wherein either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means, and said public network image information communication means is communicate information to a plurality of designated destinations;

input means for inputting information identifying a plurality of addresses and for designating one address among said plurality of addresses,

wherein a mail address for use by said electronic-mail type Internet image information communicating means, an IP address for use by said real-time type Internet image information communicating means, and a telephone number for use by said public network image information communicating means are respectively registered, for each designated destination, and

wherein, when said input means is repeatedly operated at the time of designating the address, a plurality of address information are changed over and selected in order.

23. A network facsimile device comprising:

electronic-mail type Internet image information communicating means for performing communication of image information through an Internet by use of an electronic mail;

real-time type Internet image information communicating means for performing communication of image information through said Internet in real time;

public network image information communicating means for performing communication of image information through a public network,

wherein either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means, and said public network image information communicating means communicate information to a plurality of designated destinations;

input means for inputting information identifying a plurality of addresses and for designating one address among said plurality of addresses;

wherein a mail address for use by said electronic-mail type Internet image information communicating means, an IP address for use by said real-time type Internet image information communicating means, and a telephone number for use by said public network image information communicating means are respectively registered, for each designated destination,

wherein respective transmission priority orders are registered for each of said mail address, said IP address, and said telephone number and

wherein either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communication means, and said public network image information communicating means is selected in accordance with the transmission priority order respectively registered with said mail address, said IP address, and said telephone number, for image information transmission to the address selected by operation of said input means.

24. A network facsimile device comprising:

electronic-mail type Internet image information communicating means for performing communication of image information through the Internet by use of an electronic mail;

real-time type Internet image information communicating means for performing communication of image information through said Internet in real time; and

public network image information communicating means for performing communication of image information through a public network,

wherein either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means, and said public network image information communicating means communicate information to a plurality of designated destinations;

input means for inputting information identifying a plurality of addresses and for designating one address among said plurality of addresses;

wherein a mail address for use by said electronic-mail type Internet image information communicating means, an IP address for use by to said real-time type Internet image information communicating means, and a telephone number for use by said public network image information communicating means are respectively registered, for each designated destination,

wherein respective transmission priority orders are registered for each of said mail address, said IP address, and said telephone number, and

wherein, when said input means is repeatedly operated at the time of selecting the address, a plurality of address information are changed over and selected in order in accordance with the transmission priority order respectively registered for each said mail address, said IP

~~address, and said telephone number.~~

25. The network facsimile device as defined in claim 14, 15, 22, 23 or 24,
wherein said input means comprises one-touch dialing means enabling a large number of
addresses to be registered.

26. A method of controlling a network facsimile device comprising the steps of:
providing electronic-mail type Internet image information communicating means for
performing the communication of the image information through an Internet by use of an
electronic mail;
providing real-time type Internet image information communicating means for performing
the communication of the image information through said Internet with the real time;
providing public network image information communicating means for performing the
communication of the image information through the public network;
selecting either one of said electronic-mail type Internet image information communicating
means, said real-time type Internet image information communicating means, and said public
network image information communication means; transmitting designated image information to
said designated address;
further providing dialing means for enabling the operations of registering a large number
of addresses and designating one address among said addresses by operating keys;
~~respectively registering a mail address corresponding to said electronic-mail type Internet~~
image information communicating means, an IP address corresponding to said real-time type

~~Internet image information communicating means, and a telephone number corresponding to said~~
public network image information communicating means, for one address of said dialing means;
and

changing over and selecting, in order, said plural addresses information registered in said
key by use of said dialing means, when said same key is repeatedly operated at the time of
selecting the address.

27. A method of controlling the network facsimile device comprising the steps of:
providing electronic-mail type Internet image information communicating means for
performing the communication of the image information through an Internet by use of an
electronic mail;

providing real-time type Internet image information communicating means for performing
the communication of the image information through said Internet with the real time;

providing public network image information communicating means for performing the
communication of the image information through the public network;

selecting either one of said electronic-mail type Internet image information
communicating means, said real-time type Internet image information communicating means,
and said public network image information communicating means; transmitting designated
image information to said designated address;

further providing dialing means for enabling the operations of registering a large number
of addresses and designating one address among said addresses by operating keys;

respectively registering a mail address corresponding to said electronic-mail type Internet

~~image information communicating means, an IP address corresponding to said real-time type~~

Internet image information communicating means, and a telephone number corresponding to said public network image information communicating means, for one address of said dialing means;

registering respective transmission priority orders in said mail address, said IP address, and said telephone number; and

registering either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communication means, and said public network image information communicating means in accordance with the transmission priority order respectively registered in said mail address, said IP address, and said telephone number, for the image information transmission to the address selected by the key operation of said dialing means.

28. A method of controlling the network facsimile device comprising the steps of:
providing electronic-mail type Internet image information communicating means for performing the communication of the image information through an Internet by use of an electronic mail;

providing real-time type Internet image information communicating means for performing the communication of the image information through said Internet with the real time;

providing public network image information communicating means for performing the communication of the image information through the public network;

selecting either one of said electronic-mail type Internet image information communicating means, said real-time type Internet image information communicating means,

~~and said public network image information communicating means; transmitting designated~~
image information to said designated address;

further providing dialing means for enabling the operations of registering a large number of addresses and designating one address among said addresses by operating keys;

respectively registering a mail address corresponding to said electronic-mail type Internet image information communicating means, an IP address corresponding to said real-time type Internet image information communicating means, and a telephone number corresponding to said public network image information communicating means for one address of said dialing means;

changing over and selecting, in order, said plural addresses information registered in said key by use of said dialing means, when said same key is repeatedly operated at the time of selecting the address;

registering respective transmission priority orders in said mail address, said IP address, and said telephone number; and changing over and selecting said plural addresses information by use of said dialing means, registered in said key in accordance with the transmission priority order respectively registered in said mail address, said IP address, and said telephone number, when same key is repeatedly operated at the time of selecting the address.

29. The network facsimile method as defined in claim 28,
wherein said dialing means is one-touch dialing means enabling to register a large number of addresses.

~~30. The network facsimile method as defined in claim 29,~~

~~wherein said dialing means is one-touch dialing means enabling to register a large number~~
of addresses.

31. The network facsimile method as defined in claim 30,

~~wherein said dialing means is one-touch dialing means enabling to register a large number~~
of addresses.

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